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(71)Applicant : MITSUBISHI KASEI CORP

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(72)Inventor : OCHIAI TAMEICHI

KUROSE YUTAKA

NAGAO TAKUMI

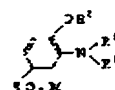
TSUKAHARA TAKAKO

(54) COLORING MATTER INTERMEDIATE AND ITS PRODUCTION

(57)Abstract:

PURPOSE: To provide a new intermediate useful for producing azo metal chelate compounds useful as coloring matters for optical recording media.

CONSTITUTION: The objective aniline-based compound of formula I (R1 and R2 are each 2-7C alkyl; R3 is 2-5C alkyl; M is H or alkali metal), e.g. N-ethyl-N-butyl-2-phenetidine-5-sulfonic acid. A compound of formula II (R4 and R5 are each 1-7C alkyl; R3 is 1-5C alkyl) including the compound of the formula I can be obtained by reaction of a compound of formula III with a sulfonating agent (pref. sulfuric acid). Using, as raw materials, the compound of the formula II and an aminobenzothiazole-based compound of formula IV [X1 to X3 are each H, Cl, F, NO2, CnF2 or nF2n-m+1; n is 1-5; m is 0-(2n+1)], through a benzothiazole-based compound of formula V, a compound of formula VI useful as a coloring matter for the laser absorption in optical recording media can be obtained.



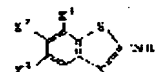
I



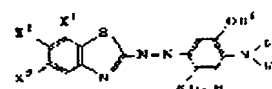
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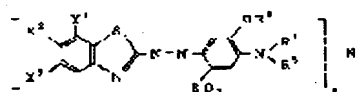
III



IV



V



VI

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